



## Protecting health from climate change: Vulnerability and adaptation assessment

---

**Author(s):** Ebi K, Berry P, Campbell-Lendrum D, Corvalan C, Guillemot J  
**Year:** 2011  
**Publisher:** World Health Organization (WHO) and Pan-American Health Organization (PAHO) (Geneva, Switzerland)

---

### Abstract:

This document is designed to provide basic and flexible guidance on conducting a national or subnational assessment of current and future vulnerability (i.e. the susceptibility of a population or region to harm) to the health risks of climate change, and of policies and programmes that could increase resilience, taking into account the multiple determinants of climate-sensitive health outcomes.

**Source:** [http://www.who.int/globalchange/publications/Final\\_Climate\\_Change.pdf](http://www.who.int/globalchange/publications/Final_Climate_Change.pdf)

### Resource Description

#### Climate Scenario :

specification of climate scenario (set of assumptions about future states related to climate)

Special Report on Emissions Scenarios (SRES)

**Special Report on Emissions Scenarios (SRES) Scenario:** SRES A1, SRES A2, SRES B1, SRES B2

#### Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience:

audience to whom the resource is directed

Health Professional, Policymaker, Public, Researcher

#### Early Warning System:

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

#### Exposure :

# Climate Change and Human Health Literature Portal



weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Human Conflict/Displacement, Precipitation, Sea Level Rise, Temperature

**Air Pollution:** Allergens, Ozone

**Extreme Weather Event:** Drought, Flooding, Hurricanes/Cyclones, Wildfires, Other Extreme Event

**Extreme Weather Event (other):** Windstorms

**Food/Water Security:** Agricultural Productivity, Food Access/Distribution, Nutritional Quality

**Temperature:** Extreme Heat, Fluctuations

**Geographic Feature:**

resource focuses on specific type of geography

Desert, Mountain, Ocean/Coastal, Rural, Urban, Other Geographical Feature

**Other Geographical Feature :** Floodplains; Forests

**Geographic Location:**

resource focuses on specific location

Global or Unspecified

**Health Co-Benefit/Co-Harm (Adaption/Mitigation):**

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

**Health Impact:**

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect

**Infectious Disease:** Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

**Foodborne/Waterborne Disease:** General Foodborne/Waterborne Disease, Salmonellosis

**Vectorborne Disease:** Fly-borne Disease, General Vectorborne, Mosquito-borne Disease, Tick-borne Disease

**Fly-borne Disease:** Leishmaniasis

**Mosquito-borne Disease:** Malaria, Viral Encephalitis

**Tick-borne Disease:** Tick-borne Encephalitis

**Zoonotic Disease:** General Zoonotic Disease

**Mental Health Effect/Stress:** Other Mental Disorder

# Climate Change and Human Health Literature Portal

**Respiratory Effect:** Asthma, Chronic Obstructive Pulmonary Disease

**Intervention:** ☒

strategy to prepare for or reduce the impact of climate change on health

A focus of content

**Medical Community Engagement:** ☒

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

**Mitigation/Adaptation:** ☒

mitigation or adaptation strategy is a focus of resource

Adaptation

**Model/Methodology:** ☒

type of model used or methodology development is a focus of resource

Cost/Economic, Methodology

**Population of Concern:** A focus of content

**Population of Concern:** ☒

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Low Socioeconomic Status, Pregnant Women, Racial/Ethnic Subgroup, Workers

**Other Racial/Ethnic Subgroup:** Ethnic minorities

**Other Vulnerable Population:** Women; Pre-existing health conditions; Nomadic peoples; Displaced populations; Disabled persons

**Resource Type:** ☒

format or standard characteristic of resource

Review

**Resilience:** ☒

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

**Socioeconomic Scenario:** SES scenarios

**Timescale:** ☒

time period studied

Time Scale Unspecified

## **Vulnerability/Impact Assessment:**

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content